

WHAT IS CLAIMED IS:

1. A printer comprising:

a printing section for performing printing on paper;

a paper feed section for transferring paper, which is fed from a paper feed cassette, to said printing section;

a battery power source;

a remaining-battery-capacity detector for detecting a remaining-battery-capacity level of said battery power source;

a print-operation-commencement specifying section for specifying print-operation commencement; and

control section for performing print-operation control, wherein,

said control section performs the print-operation control such that said remaining-battery-capacity detector is used to detect the remaining battery capacity level immediately before a paper-feed operation is commenced for the first sheet of the paper for a print operation which is commenced corresponding to a print-operation commencement specification received from said print-operation-commencement specifying section; and

said control section performs the print-operation control such that when printing is consecutively performed on a plurality of sheets of the paper corresponding to said

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print-operation commencement specification, said remaining-battery-capacity detector is used to detect the remaining battery capacity level immediately before the paper-feed operation is performed for the print operation for each of the plurality of sheets of the paper.

2. A printer as defined in claim 1, wherein said battery power source is connected to a main unit of said printer to be removable.

3. A printer as defined in claim 1, further comprising a determination section for determining whether a paper-transfer operation and the print operation to be performed subsequent to the detecting operation for the remaining battery capacity level can be completed for at least one sheet of the paper according to the remaining battery capacity level detected by said remaining-battery-capacity detector.

4. A printer as defined in claim 3, wherein, when said determination section determines the remaining battery capacity level detected by said remaining-battery-capacity detector to be insufficient to complete the paper-transfer operation and the print operation, which are performed subsequent to the detecting operation for the remaining

battery capacity level, for at least one sheet of the paper, control is performed not to commence the paper-transfer operation.

5. A printer as defined in claim 3, wherein, when said determination section determines the remaining battery capacity level detected by said remaining-battery-capacity detector to be insufficient to complete the paper-transfer operation and the print operation, which are performed subsequent to the detecting operation for the remaining battery capacity level, for at least one sheet of the paper, a display unit displays information indicating that the remaining battery capacity is short.

6. A printer as defined in claim 3, wherein, when printing is specified to be consecutively perform the plurality of sheets of the paper corresponding to a specification received from said print-operation-commencement specifying section, said determination section determines whether the transfer operations and the print operations can be completed all for the specified plurality of sheets of the paper according to the remaining battery capacity level detected by said remaining-battery-capacity detector.

7. A printer as defined in claim 6, wherein, when said determination section determines the remaining battery capacity level detected by said remaining-battery-capacity detector to be sufficient only to complete the paper-transfer operations and the print operations for partial number of sheets of the paper in the paper-transfer operations and the print operations for the specified plurality of sheets of the paper, said display unit displays information indicating that printing can be performed only for the partial number of sheets of the paper.

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8. A printer as defined in claim 7, wherein said display unit displays a number of printable sheets of the paper (the "printable sheets" hereinbelow refers to sheets on which printing can be performed with a battery capacity) for the information indicating that printing can be performed only for the partial number of sheets of the paper.

9. A printer as defined in claim 1, wherein said remaining-battery-capacity detector detects the remaining battery capacity level also when said printer is powered on.

10. A printer as defined in claim 3, further comprising a temperature detector for detecting the temperature in a peripheral environment of said battery

power source, wherein a determination criterion used in said determination section is changed according to the detection result of said temperature detector, said determination criterion being used to determine whether the paper-transfer operation and the print operation, which are performed subsequent to the detection operation for the remaining battery capacity level, can be completed for at least one sheet of the paper.

~~11. A printer comprising:~~

~~a printing section for performing printing on paper;~~  
~~a paper feed section for transferring paper, which is fed from a paper feed cassette, to said printing section;~~  
~~a remaining-battery-capacity detector for detecting a remaining-battery-capacity level of a battery power source;~~  
~~a print-operation-commencement specifying section for specifying print-operation commencement; and~~  
~~a control section~~

~~wherein,~~

~~said control section performs print-operation control based on the remaining battery capacity level detected by said remaining-battery-capacity detector immediately before a paper-feed operation is commenced for the first sheet of the paper for a print operation which is commenced corresponding to a print-operation commencement~~

specification received from said print-operation-commencement specifying section; and

when printing is consecutively performed on a plurality of sheets of the paper corresponding to said print-operation-commencement specification, said control section performs print-operation control based on the detected remaining battery capacity level immediately before the paper-feed operation is performed for the print operation for each of the plurality of sheets of the paper.

12. A printer as defined in claim 11, further comprising a battery power source that is connected to a main unit of said printer to be removable.

13. A printer as defined in claim 11, further comprising a determination section for determining whether a paper-transfer operation and the print operation to be performed subsequent to the detecting operation for the remaining battery capacity level can be completed for at least one sheet of the paper according to the remaining battery capacity level detected by said remaining-battery-capacity detector.

14. A printer as defined in claim 13, wherein, when said determination section determines the remaining battery

capacity level detected by said remaining-battery-capacity detector to be insufficient to complete the paper-transfer operation and the print operation, which are performed subsequent to the detecting operation for the remaining battery capacity level, for at least one sheet of the paper, control is performed not to commence the paper-transfer operation.

15. A printer as defined in claim 13, wherein, when said determination section determines the remaining battery capacity level detected by said remaining-battery-capacity detector to be insufficient to complete the paper-transfer operation and the print operation, which are performed subsequent to the detecting operation for the remaining battery capacity level, for at least one sheet of the paper, a display unit displays information indicating that the remaining battery capacity is short.

16. A printer as defined in claim 13, wherein, when printing is specified to be consecutively perform the plurality of sheets of the paper corresponding to a specification received from said print-operation-commencement specifying section, said determination section determines whether the transfer operations and the print operations can be completed all for the specified plurality

of sheets of the paper according to the remaining battery capacity level detected by said remaining-battery-capacity detector.

17. A printer as defined in claim 16, wherein, when said determination section determines the remaining battery capacity level detected by said remaining-battery-capacity detector to be sufficient only to complete the paper-transfer operations and the print operations for partial number of sheets of the paper in the paper-transfer operations and the print operations for the specified plurality of sheets of the paper, said display unit displays information indicating that printing can be performed only for the partial number of sheets of the paper.

18. A printer as defined in claim 17, wherein said display unit displays a number of printable sheets of the paper for the information indicating that printing can be performed only for the partial number of sheets of the paper.

19. A printer as defined in claim 11, wherein said remaining-battery-capacity detector detects the remaining battery capacity level also when said printer is powered on.

20. A printer as defined in claim 13, further

comprising a temperature detector for detecting the temperature in a peripheral environment of said battery power source, wherein a determination criterion used in said determination section is changed according to the detection result of said temperature detector, said determination criterion being used to determine whether the paper-transfer operation and the print operation, which are performed subsequent to the detection operation for the remaining battery capacity level, can be completed for at least one sheet of the paper.